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Amide derivatives of thienopyrroles, their preparation and application as drugs

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Inventor(s): FRIGOLA CONSTANSA JORDI (ES); TORRENS JOVER ANTONIO (ES); MAS PRIO JOSE (ES)

Applicant(s): ESTEVE LABOR DR (ES)

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Abstract

Amide derivatives of thienopyrroles, their preparation and application as drugs. Compounds of general formula (I) where X₁ and X₂, which are different, correspond to either carbon or sulphur, R₁ represents compounds of formula (Ia) or (Ib), R₂ is hydrogen or C₁-C₆ alkyl, R₃ and R₄ are either hydrogen, alkyl, halogen, hydroxyl, alkoxy, cyano or nitro, R₅ is hydrogen, C₁-C₆ alkyl, aryl, aralkyl, alkoxy carbonyl, phenylalkyloxy carbonyl, alkylsulphanyl, phenylsulphonyl, alkyloxy alkyl or hydroxycarbonyl alkyl, R₆ is hydrogen, C₁-C₆ alkyl, hydroxycarbonyl alkyl, alkoxy carbonyl or alkoxy carbonyl alkyl, R₇ is hydrogen, alkoxy or halogen, R₈ is 3-indolylmethyl, hydroxycarbonyl alkyl or benzoyloxycarbonyl alkyl, R₉ is hydroxyl or nitrogen combined with R₁₀ and R₁₁, R₁₀ and R₁₁ are independently hydrogen, C₁-C₆ alkyl, preferably n-pentyl or hydroxycarbonyl alkyl, -Z₁, Z₂ represent C=N- or N-C=O. Their process of preparation comprises reacting carboxyl derivatives with racemic amines in anhydrous or hydrated organic solvents. Their physiologically acceptable salts are used as drugs intended for the treatment of intestinal malfunctions, among other things.



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